

Title (en)  
Dual band loop antenna

Title (de)  
Schleifenantenne für zwei Frequenzbereiche

Title (fr)  
Antenne en boucle à deux bandes

Publication  
**EP 1601049 B1 20080806 (EN)**

Application  
**EP 05076081 A 20050511**

Priority  
US 84933004 A 20040519

Abstract (en)  
[origin: EP1601049A1] An antenna assembly (10, 100, 200, 300) is disclosed. The antenna assembly (10, 100, 200, 300) includes a dual band vertical loop wire antenna (12, 102, 202, 302) extending from a printed circuit board (16, 106, 206, 306) positioned over a ground plane (24), wherein the wire antenna (12, 102, 202, 302) includes: at least one coiled section (12a, 12b, 102a-102e, 202a-202c, 302a-302c), at least one straight wire section (18, 20, 108-114), and at least one feeding post section (22, 122, 210, 310). <IMAGE>

IPC 8 full level  
**H01Q 7/00** (2006.01); **H01Q 1/32** (2006.01); **H01Q 5/00** (2006.01); **H01Q 5/357** (2015.01)

CPC (source: EP US)  
**H01Q 1/3275** (2013.01 - EP US); **H01Q 5/357** (2015.01 - EP US); **H01Q 7/00** (2013.01 - EP US)

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EP2830155A1; CN104347934A

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